Approved for use through 10/31/2002. OMB 0651-0031)
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Substitute for form 1449A/PTO				Complete if Known		
				Application Number	10/083,954	
INF	ORMATION I	DISCLOSE	IRE	Filing Date	February 27, 2002 C. Raymond Cheng	
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(add at many thousa at mootstary)				Examiner Name	F. M. Lawrence, Jr.	
Sheet	1	of	1	Attorney Docket number	4695-00008	

		U.S. PA	TENT DOCUMENTS			
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
11 P	4,054,418	10/18/1977	Miller et al.			
Al .	4,297,116	10/27/1981	Cusick			77
A 2 8 2000	5,643,536	7/1/1997	Schmelz		7	SEP
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The Parish of the Parish	Ž.				70	28
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	FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRÁNSLATIÓN		
						YES	NO	
12	2 383 548	7/2/2003	United Kingdom					
14	4417238	9/29/1994	Germany			****		

	 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)
11	WPI Abstract AN 1991-076030 [18] & JP 3021313 A (Matsushita)
1L	WPI Abstract AN 1986-012802[02] & SU 1163889A (Zajtsev et. al.)

	Examiner Signature	Trah	Laurene		Date Considered	9-29-03
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.